

CRF Errors Corrected by the STIC Systems Branch

Serial Number: 10/069,079

CRF Processing Date: 3/18/2002

Edited by: AW

Verified by: AW (STIC staff)

ENTERED

☐ Changed a file from non-ASCII to ASCII

☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.

☐ Edited a format error in the Current Application Data section, specifically:

☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____.

☐ Added the mandatory heading and subheadings for "Current Application Data".

☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.

☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically:

☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:

☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.

☐ Inserted colons after headings/subheadings. Headings edited included:

☐ Deleted extra, invalid, headings used by an applicant, specifically:

☒ Deleted: ☒ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as _____.

☐ Inserted mandatory headings, specifically: _____

☐ Corrected an obvious error in the response, specifically:

☐ Edited identifiers where upper case is used but lower case is required, or vice versa.

☐ Corrected an error in the Number of Sequences field, specifically:

☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.

☐ Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____

☐ Other: _____

Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95



PCT10

RAW SEQUENCE LISTING

DATE: 03/18/2002

PATENT APPLICATION: US/10/069,079

TIME: 18:12:46

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\03182002\J069079.raw

3 <110> APPLICANT: Brett P. Monia
4 William Gaarde
5 Donna T. Ward
6 Lex M. Cowser
8 <120> TITLE OF INVENTION: ANTISENSE MODULATION OF MEKK1 EXPRESSION
10 <130> FILE REFERENCE: RTSP-0262
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/069,079
C--> 12 <141> CURRENT FILING DATE: 2002-01-18
12 <150> PRIOR APPLICATION NUMBER: 09/359,756
13 <151> PRIOR FILING DATE: 1999-07-23
15 <160> NUMBER OF SEQ ID NOS: 47
17 <210> SEQ ID NO: 1
18 <211> LENGTH: 4693
19 <212> TYPE: DNA
20 <213> ORGANISM: Homo sapiens
22 <220> FEATURE:
23 <221> NAME/KEY: CDS
24 <222> LOCATION: (1)..(4488)
26 <400> SEQUENCE: 1
27 ccg agc cct gag gca ggc ggc ggc gga gga gcc ctc aag gcg agc agc 48
28 Pro Ser Pro Glu Ala Gly Gly Gly Gly Gly Ala Leu Lys Ala Ser Ser
29 1 5 10 15
31 gcg cgc gcg gct gcc gcg gga ctg ctg cgg gag gcg ggc agc ggg ggc 96
32 Ala Arg Ala Ala Ala Ala Gly Leu Leu Arg Glu Ala Gly Ser Gly Gly
33 20 25 30
35 cgc gag cgg gcg gac tgg cgg cgg cgg cag ctg cgc aaa gtg cgg agt 144
36 Arg Glu Arg Ala Asp Trp Arg Arg Arg Gln Leu Arg Lys Val Arg Ser
37 35 40 45
39 gtg gag ctg gac cag ctg cct gag cag ccg ctc ttc ctt gcc gcc tca 192
40 Val Glu Leu Asp Gln Leu Pro Glu Gln Pro Leu Phe Leu Ala Ala Ser
41 50 55 60
43 ccg ccg gcc tcc tcg act tcc ccg tcg ccg gag ccc gcg gac gca gcg 240
44 Pro Pro Ala Ser Ser Thr Ser Pro Ser Pro Glu Pro Ala Asp Ala Ala
45 65 70 75 80
47 ggg agt ggg acc ggc ttc cag cct gtg gcg gtg ccg ccg ccc cac gga 288
48 Gly Ser Gly Thr Gly Phe Gln Pro Val Ala Val Pro Pro Pro His Gly
49 85 90 95
51 gcc gcc agc cgg cgc ggc gcc cac ctt acc gag tcg gtg gcg gcg ccg 336
52 Ala Ala Ser Arg Arg Gly Ala His Leu Thr Glu Ser Val Ala Ala Pro
53 100 105 110
55 gac agc ggc gcc tcg agt ccc gca gcg gcc gag ccc ggg gag aag cgg 384
56 Asp Ser Gly Ala Ser Ser Pro Ala Ala Ala Glu Pro Gly Glu Lys Arg
57 115 120 125

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59	gcg	ccc	gcc	gcc	gag	ccg	tct	cct	gca	gcg	gcc	ccc	gcc	ggt	cgt	gag	432
60	Ala	Pro	Ala	Ala	Glu	Pro	Ser	Pro	Ala	Ala	Ala	Pro	Ala	Gly	Arg	Glu	
61	130						135					140					
63	atg	gag	aat	aaa	gaa	act	ctc	aaa	ggg	ttg	cac	aag	atg	gat	gat	cgt	480
64	Met	Glu	Asn	Lys	Glu	Thr	Leu	Lys	Gly	Leu	His	Lys	Met	Asp	Asp	Arg	
65	145					150					155					160	
67	cca	gag	gaa	cga	atg	atc	agg	gag	aaa	ctg	aag	gca	acc	tgt	atg	cca	528
68	Pro	Glu	Glu	Arg	Met	Ile	Arg	Glu	Lys	Leu	Lys	Ala	Thr	Cys	Met	Pro	
69					165					170					175		
71	gcc	tgg	aag	cac	gaa	tgg	ttg	gaa	agg	aga	aat	agg	cga	ggg	cct	gtg	576
72	Ala	Trp	Lys	His	Glu	Trp	Leu	Glu	Arg	Arg	Asn	Arg	Arg	Gly	Pro	Val	
73				180						185				190			
75	gtg	gta	aaa	cca	atc	cca	gtt	aaa	gga	gat	gga	tct	gaa	atg	aat	cac	624
76	Val	Val	Lys	Pro	Ile	Pro	Val	Lys	Gly	Asp	Gly	Ser	Glu	Met	Asn	His	
77			195					200				205					
79	tta	gca	gct	gag	tct	cca	gga	gag	gtc	cag	gca	agt	gcg	gct	tca	cca	672
80	Leu	Ala	Ala	Glu	Ser	Pro	Gly	Glu	Val	Gln	Ala	Ser	Ala	Ala	Ser	Pro	
81	210					215					220						
83	gct	tcc	aaa	ggc	cga	cgc	agt	cct	tct	cct	ggc	aac	tcc	cca	tca	ggt	720
84	Ala	Ser	Lys	Gly	Arg	Arg	Ser	Pro	Ser	Pro	Gly	Asn	Ser	Pro	Ser	Gly	
85	225				230					235					240		
87	cgc	aca	gtg	aaa	tca	gaa	tct	cca	gga	gta	agg	aga	aaa	aga	gtt	tcc	768
88	Arg	Thr	Val	Lys	Ser	Glu	Ser	Pro	Gly	Val	Arg	Arg	Lys	Arg	Val	Ser	
89				245						250				255			
91	cca	gtg	cct	ttt	cag	agt	ggc	aga	atc	aca	cca	ccc	cga	aga	gcc	cct	816
92	Pro	Val	Pro	Phe	Gln	Ser	Gly	Arg	Ile	Thr	Pro	Pro	Arg	Arg	Ala	Pro	
93				260				265				270					
95	tca	cca	gat	ggc	ttc	tca	cca	tat	agc	cct	gag	gaa	aca	aac	cgc	cgt	864
96	Ser	Pro	Asp	Gly	Phe	Ser	Pro	Tyr	Ser	Pro	Glu	Glu	Thr	Asn	Arg	Arg	
97			275				280				285						
99	gtt	aac	aaa	gtg	atg	cgg	gcc	aga	ctg	tac	tta	ctg	cag	cag	ata	ggg	912
100	Val	Asn	Lys	Val	Met	Arg	Ala	Arg	Leu	Tyr	Leu	Leu	Gln	Gln	Ile	Gly	
101	290					295					300						
103	cct	aac	tct	ttc	ctg	att	gga	gga	gac	agc	cca	gac	aat	aaa	tac	cgg	960
104	Pro	Asn	Ser	Phe	Leu	Ile	Gly	Gly	Asp	Ser	Pro	Asp	Asn	Lys	Tyr	Arg	
105	305				310					315					320		
107	gtg	ttt	att	ggg	cct	cag	aac	tgc	agc	tgt	gca	cat	gga	aca	ttc	tgt	1008
108	Val	Phe	Ile	Gly	Pro	Gln	Asn	Cys	Ser	Cys	Ala	His	Gly	Thr	Phe	Cys	
109				325				330					335				
111	att	cat	ctg	cta	ttt	gtg	atg	ctc	cgg	gtg	ttt	caa	cta	gaa	cct	tca	1056
112	Ile	His	Leu	Leu	Phe	Val	Met	Leu	Arg	Val	Phe	Gln	Leu	Glu	Pro	Ser	
113				340				345				350					
115	gac	cca	atg	tta	tgg	aga	aaa	act	tta	aag	aat	ttt	gag	gtt	gag	agt	1104
116	Asp	Pro	Met	Leu	Trp	Arg	Lys	Thr	Leu	Lys	Asn	Phe	Glu	Val	Glu	Ser	
117			355				360				365						
119	ttg	ttc	cag	aaa	tat	cac	agt	agg	cgt	agc	tca	agg	atc	aaa	gct	cca	1152
120	Leu	Phe	Gln	Lys	Tyr	His	Ser	Arg	Arg	Ser	Ser	Arg	Ile	Lys	Ala	Pro	
121	370					375					380						
123	tct	cgt	aac	acc	atc	cag	aag	ttt	gtt	tca	cgc	atg	tca	aat	tot	cat	1200

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124	Ser	Arg	Asn	Thr	Ile	Gln	Lys	Phe	Val	Ser	Arg	Met	Ser	Asn	Ser	His	
125	385					390					395					400	
127	aca	ttg	tca	tca	tct	agt	act	tct	aca	tct	agt	tca	gaa	aac	agc	ata	1248
128	Thr	Leu	Ser	Ser	Ser	Ser	Thr	Ser	Thr	Ser	Ser	Ser	Glu	Asn	Ser	Ile	
129					405					410					415		
131	aag	gat	gaa	gag	gaa	cag	atg	tgt	cct	att	tgc	ttg	ttg	ggc	atg	ctt	1296
132	Lys	Asp	Glu	Glu	Glu	Gln	Met	Cys	Pro	Ile	Cys	Leu	Leu	Gly	Met	Leu	
133					420				425					430			
135	gat	gaa	gaa	agt	ctt	aca	gtg	tgt	gaa	gac	ggc	tgc	agg	aac	aag	ctg	1344
136	Asp	Glu	Glu	Ser	Leu	Thr	Val	Cys	Glu	Asp	Gly	Cys	Arg	Asn	Lys	Leu	
137					435			440					445				
139	cac	cac	cac	tgc	atg	tca	att	tgg	gca	gaa	gag	tgt	aga	aga	aat	aga	1392
140	His	His	His	Cys	Met	Ser	Ile	Trp	Ala	Glu	Glu	Cys	Arg	Arg	Asn	Arg	
141		450					455					460					
143	gaa	cct	tta	ata	tgt	ccc	ctt	tgt	aga	tct	aag	tgg	aga	tct	cat	gat	1440
144	Glu	Pro	Leu	Ile	Cys	Pro	Leu	Cys	Arg	Ser	Lys	Trp	Arg	Ser	His	Asp	
145	465					470				475					480		
147	ttc	tac	agc	cac	gag	ttg	tca	agt	cct	gtg	gat	tcc	cct	tct	tcc	ctc	1488
148	Phe	Tyr	Ser	His	Glu	Leu	Ser	Ser	Pro	Val	Asp	Ser	Pro	Ser	Ser	Leu	
149					485				490						495		
151	aga	gct	gca	cag	cag	caa	acc	gta	cag	cag	cag	cct	ttg	gct	gga	tca	1536
152	Arg	Ala	Ala	Gln	Gln	Gln	Thr	Val	Gln	Gln	Gln	Pro	Leu	Ala	Gly	Ser	
153					500				505					510			
155	cga	agg	aat	caa	gag	agc	aat	ttt	aac	ctt	act	cat	tat	gga	act	cag	1584
156	Arg	Arg	Asn	Gln	Glu	Ser	Asn	Phe	Asn	Leu	Thr	His	Tyr	Gly	Thr	Gln	
157			515					520				525					
159	caa	atc	cct	cct	gct	tac	aaa	gat	tta	gct	gag	cca	tgg	att	cag	gtg	1632
160	Gln	Ile	Pro	Pro	Ala	Tyr	Lys	Asp	Leu	Ala	Glu	Pro	Trp	Ile	Gln	Val	
161		530					535					540					
163	ttt	gga	atg	gaa	ctc	gtt	ggc	tgc	tta	ttt	tct	aga	aac	tgg	aat	gtg	1680
164	Phe	Gly	Met	Glu	Leu	Val	Gly	Cys	Leu	Phe	Ser	Arg	Asn	Trp	Asn	Val	
165	545					550				555					560		
167	aga	gag	atg	gcc	ctc	agg	cgt	ctt	tcc	cat	gat	gtc	agt	ggg	gcc	ctg	1728
168	Arg	Glu	Met	Ala	Leu	Arg	Arg	Leu	Ser	His	Asp	Val	Ser	Gly	Ala	Leu	
169					565				570					575			
171	ctg	ttg	gca	aat	ggg	gag	agc	act	gga	aat	tct	ggg	ggc	agc	agt	gga	1776
172	Leu	Leu	Ala	Asn	Gly	Glu	Ser	Thr	Gly	Asn	Ser	Gly	Gly	Ser	Ser	Gly	
173				580					585					590			
175	agc	agc	ccg	agt	ggg	gga	gcc	acc	agt	ggg	tct	tcc	cag	acc	agt	atc	1824
176	Ser	Ser	Pro	Ser	Gly	Gly	Ala	Thr	Ser	Gly	Ser	Ser	Gln	Thr	Ser	Ile	
177			595				600					605					
179	tca	gga	gat	gtg	gtg	gag	gca	tgc	tgc	agc	gtt	ctg	tca	atg	gtc	tgt	1872
180	Ser	Gly	Asp	Val	Val	Glu	Ala	Cys	Cys	Ser	Val	Leu	Ser	Met	Val	Cys	
181		610					615					620					
183	gct	gac	cct	gtc	tac	aaa	gtg	tac	gtt	gct	gct	tta	aaa	aca	ttg	aga	1920
184	Ala	Asp	Pro	Val	Tyr	Lys	Val	Tyr	Val	Ala	Ala	Leu	Lys	Thr	Leu	Arg	
185	625					630				635					640		
187	gcc	atg	ctg	gta	tat	act	cct	tgc	cac	agt	tta	gcg	gaa	aga	atc	aaa	1968
188	Ala	Met	Leu	Val	Tyr	Thr	Pro	Cys	His	Ser	Leu	Ala	Glu	Arg	Ile	Lys	

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189		645		650		655		
191	ctt	cag	aga	ctt	ctc	cag	cca	gtt gta gac acc atc cta gtc aaa tgt 2016
192	Leu	Gln	Arg	Leu	Leu	Gln	Pro	Val Val Asp Thr Ile Leu Val Lys Cys
193				660				665 670
195	gca	gat	gcc	aat	agc	cgc	aca	agt cag ctg tcc ata tca aca ctg ttg 2064
196	Ala	Asp	Ala	Asn	Ser	Arg	Thr	Ser Gln Leu Ser Ile Ser Thr Leu Leu
197				675				680 685
199	gaa	ctg	tgc	aaa	ggc	caa	gca	gga gag ttg gca gtt ggc aga gaa ata 2112
200	Glu	Leu	Cys	Lys	Gly	Gln	Ala	Gly Glu Leu Ala Val Gly Arg Glu Ile
201		690				695		700
203	cta	aaa	gct	gga	tcc	att	ggt	att ggt ggt gtt gat tat gtc tta aat 2160
204	Leu	Lys	Ala	Gly	Ser	Ile	Gly	Ile Gly Gly Val Asp Tyr Val Leu Asn
205	705				710			715 720
207	tgt	att	ctt	gga	aac	caa	act	gaa tca aac aat tgg caa gaa ctt ctt 2208
208	Cys	Ile	Leu	Gly	Asn	Gln	Thr	Glu Ser Asn Asn Trp Gln Glu Leu Leu
209				725				730 735
211	ggc	cgc	ctt	tgt	ctt	ata	gat	aga ctg ttg ttg gaa ttt cct gct gaa 2256
212	Gly	Arg	Leu	Cys	Leu	Ile	Asp	Arg Leu Leu Leu Glu Phe Pro Ala Glu
213				740				745 750
215	ttt	tat	cct	cat	att	gtc	agt	act gat gtt tca caa gct gag cct gtt 2304
216	Phe	Tyr	Pro	His	Ile	Val	Ser	Thr Asp Val Ser Gln Ala Glu Pro Val
217				755				760 765
219	gaa	atc	agg	tat	aag	aag	ctg	ctg tcc ctc tta acc ttt gct ttg cag 2352
220	Glu	Ile	Arg	Tyr	Lys	Lys	Leu	Leu Ser Leu Leu Thr Phe Ala Leu Gln
221		770						775 780
223	tcc	att	gat	aat	tcc	cac	tca	atg gtt ggc aaa ctt tcc aga agg atc 2400
224	Ser	Ile	Asp	Asn	Ser	His	Ser	Met Val Gly Lys Leu Ser Arg Arg Ile
225	785					790		795 800
227	tac	ttg	agt	tct	gca	aga	atg	gtt act aca gta ccc cat gtg ttt tca 2448
228	Tyr	Leu	Ser	Ser	Ala	Arg	Met	Val Thr Thr Val Pro His Val Phe Ser
229				805				810 815
231	aaa	ctg	tta	gaa	atg	ctg	agt	gtt tcc agt gtt tcc act cac ttc acc 2496
232	Lys	Leu	Leu	Glu	Met	Leu	Ser	Val Ser Ser Val Ser Thr His Phe Thr
233				820				825 830
235	agg	atg	cgt	cgc	cgt	ttg	atg	gct tat gca gat gag gtg gaa att gcc 2544
236	Arg	Met	Arg	Arg	Arg	Leu	Met	Ala Tyr Ala Asp Glu Val Glu Ile Ala
237				835				840 845
239	gaa	gcc	atc	cag	ttg	ggc	gta	gaa gac act tta caa cga caa caa cac 2592
240	Glu	Ala	Ile	Gln	Leu	Gly	Val	Glu Asp Thr Leu Gln Arg Gln Gln His
241		850						855 860
243	aac	agc	ttt	tgc	agg	cat	ctg	ttc cca aca act atc tgg aaa cca cag 2640
244	Asn	Ser	Phe	Cys	Arg	His	Leu	Phe Pro Thr Thr Ile Trp Lys Pro Gln
245	865					870		875 880
247	aga	aca	gtt	ccc	ctt	gag	tgc	aca gtc cat tta gag aaa act gga aaa 2688
248	Arg	Thr	Val	Pro	Leu	Glu	Cys	Thr Val His Leu Glu Lys Thr Gly Lys
249				885				890 895
251	gga	tta	tgt	gct	aca	aaa	ttg	agt gcc agt tca gag gac att tct gag 2736
252	Gly	Leu	Cys	Ala	Thr	Lys	Leu	Ser Ala Ser Ser Glu Asp Ile Ser Glu
253				900				905 910

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255	aga	ctg	gcc	agg	att	tca	gta	gga	cct	tct	agt	tca	aca	aca	aca	aca	2784
256	Arg	Leu	Ala	Arg	Ile	Ser	Val	Gly	Pro	Ser	Ser	Ser	Thr	Thr	Thr	Thr	
257			915					920					925				
259	aca	aca	aca	aca	gag	caa	cca	aag	cca	atg	gtt	caa	aca	aaa	ggc	aga	2832
260	Thr	Thr	Thr	Thr	Glu	Gln	Pro	Lys	Pro	Met	Val	Gln	Thr	Lys	Gly	Arg	
261			930					935					940				
263	ccc	cac	agt	cag	tgt	ttg	aac	tcc	tct	cct	tta	tct	cat	cat	tcc	caa	2880
264	Pro	His	Ser	Gln	Cys	Leu	Asn	Ser	Ser	Pro	Leu	Ser	His	His	Ser	Gln	
265	945						950					955				960	
267	tta	atg	ttt	cca	gcc	ttg	tca	acc	cct	tct	tct	tct	acc	cca	tct	gta	2928
268	Leu	Met	Phe	Pro	Ala	Leu	Ser	Thr	Pro	Ser	Ser	Ser	Thr	Pro	Ser	Val	
269							965					970				975	
271	cca	gct	ggc	act	gca	aca	gat	gtc	tct	aag	cat	aga	ctt	cag	gga	ttc	2976
272	Pro	Ala	Gly	Thr	Ala	Thr	Asp	Val	Ser	Lys	His	Arg	Leu	Gln	Gly	Phe	
273							980					985				990	
275	att	ccc	tgc	aga	ata	cct	tct	gca	tct	cct	caa	aca	cag	cgc	aag	ttt	3024
276	Ile	Pro	Cys	Arg	Ile	Pro	Ser	Ala	Ser	Pro	Gln	Thr	Gln	Arg	Lys	Phe	
277							995				1000					1005	
279	tct	cta	caa	ttc	cac	aga	aac	tgt	cct	gaa	aac	aaa	gac	tca	gat	aaa	3072
280	Ser	Leu	Gln	Phe	His	Arg	Asn	Cys	Pro	Glu	Asn	Lys	Asp	Ser	Asp	Lys	
281							1010						1015			1020	
283	ctt	tcc	cca	gtc	ttt	act	cag	tca	aga	ccc	ttg	ccc	tcc	agt	aac	ata	3120
284	Leu	Ser	Pro	Val	Phe	Thr	Gln	Ser	Arg	Pro	Leu	Pro	Ser	Ser	Asn	Ile	
285	1025						1030						1035			1040	
287	cac	agg	cca	aag	cca	tct	cga	cct	acc	cca	ggt	aat	aca	agt	aaa	cag	3168
288	His	Arg	Pro	Lys	Pro	Ser	Arg	Pro	Thr	Pro	Gly	Asn	Thr	Ser	Lys	Gln	
289							1045					1050				1055	
291	gga	gat	ccc	tca	aaa	aat	agc	atg	aca	ctt	gat	ctg	aac	agt	agt	tcc	3216
292	Gly	Asp	Pro	Ser	Lys	Asn	Ser	Met	Thr	Leu	Asp	Leu	Asn	Ser	Ser	Ser	
293							1060					1065				1070	
295	aaa	tgt	gat	gac	agc	ttt	ggc	ttg	agc	agc	aat	agt	agt	aat	tgc	tgt	3264
296	Lys	Cys	Asp	Asp	Ser	Phe	Gly	Leu	Ser	Ser	Asn	Ser	Ser	Asn	Cys	Cys	
297							1075						1080			1085	
299	tat	acc	agt	gac	gag	aca	gtg	ttc	acc	cca	gta	gag	gag	aaa	tgc	aga	3312
300	Tyr	Thr	Ser	Asp	Glu	Thr	Val	Phe	Thr	Pro	Val	Glu	Glu	Lys	Cys	Arg	
301							1090						1095			1100	
303	tta	gat	gtc	aat	aca	gag	ctc	aac	tcc	agt	att	gag	gac	ctt	ctt	gaa	3360
304	Leu	Asp	Val	Asn	Thr	Glu	Leu	Asn	Ser	Ser	Ile	Glu	Asp	Leu	Leu	Glu	
305	1105						1110						1115			1120	
307	gca	tct	atg	cct	tca	agt	gat	aca	aca	gta	act	ttt	aag	tca	gaa	gtt	3408
308	Ala	Ser	Met	Pro	Ser	Ser	Asp	Thr	Thr	Val	Thr	Phe	Lys	Ser	Glu	Val	
309							1125					1130				1135	
311	gct	gtc	ctg	tct	cct	gaa	aag	gct	gaa	aat	gat	gat	acc	tac	aaa	gat	3456
312	Ala	Val	Leu	Ser	Pro	Glu	Lys	Ala	Glu	Asn	Asp	Asp	Thr	Tyr	Lys	Asp	
313							1140					1145				1150	
315	gat	gtg	aat	cat	aat	caa	aag	tgc	aaa	gag	aag	atg	gaa	gct	gaa	gaa	3504
316	Asp	Val	Asn	His	Asn	Gln	Lys	Cys	Lys	Glu	Lys	Met	Glu	Ala	Glu	Glu	
317							1155						1160			1165	
319	gaa	gaa	gct	tta	gca	att	gcc	atg	gca	atg	tca	gcg	tct	cag	gta	gcc	3552

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/069,079

DATE: 03/18/2002

TIME: 18:12:47

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\03182002\J069079.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application No
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date